

ABSTRACT

MODEL DEVELOPMENT OF WOOD MATERIAL AS LEARNING TO READ IMAGE TECHNIQUE COURSE IN SMKN 1 SEDAYU

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This study aims at: (1) designing and create instructional media with a wooden model of the Eye Training Reading Technical Drawing, (2) producing a model of learning Figure Pieces for Reading Eye Training Technical Drawing at SMK N 1 Sedayu in the form of a model of the material appropriate timber to be applied as a medium of learning. This study uses the development research approach (Research and Development) performed at the Department of Welding Engineering SMK Negeri 1 Sedayu, Bantul, Yogyakarta, within five months, starting from December 2010 until April 2011. The object of this study was the development of instructional media with a wooden model of Training Reading Technical Drawing course. The data was collected using a questionnaire (questionnaire) and about the test (pretest & posttest). Techniques of data analysis performed using qualitative descriptive analysis and test the application of media is done by comparing the pretest-posttest results and observations of teachers.

The results of this study is the medium of learning with a model from wood, while the design stage of media development undertaken, namely: (1) determine the subjects that will be developed in the medium, (2) a preliminary investigation, (3) the design drawings, (4) collection material, (5) develop a form of product, (6) validation by experts and the media matter experts, (7) analysis; (8) revision of I / revision of the initial product; (9) testing of small groups; (10) analysis of trial results small groups; (11) Revision II; (12) tested a large group; (13) analysis of a large group of test results; (14) test the effectiveness / implementation, and (15) the final product. Learning media declared eligible by testing the feasibility study according to media experts with a total percentage of 90.38% and 100%, a material with a percentage of the total by 90% and 97.5%, a small group of test results with the percentage total of 81.5% and large groups of trials with a total percentage of 77.8%. Learning media with the model of wood materials has been tested its effectiveness for improving student achievement with an average value of 80.57. From the test results can be concluded that the medium of learning with a model from wood that was developed fit for use as a learning support for training the eyes of Reading Technical Drawing and effectively to improve student achievement.

Key words: Learning Media, Model of Materials Wood, and Figure Pieces